

> s vestanat t 1890/cn
1 VESTANAT T 1890/CN

> d

ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

73666-46-3 REGISTRY

Vestanat T 1890 (9CI) (CA INDEX NAME)

OTHER NAMES:

IPDI-T 1890

T 1890

Vestanat IPDI-T 1890

82197-86-2

NOTE An isophorone diisocyanate-based isocyanurate-containing adduct (Huls AG)

Unspecified

COM, MAN

C STN Files: CA, CAPLUS, PROMT, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

92 REFERENCES IN FILE CA (1907 TO DATE)

63 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

92 REFERENCES IN FILE CAPLUS (1907 TO DATE)

> s tolonate/cn
0 TOLONATE/CN

> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

ULL ESTIMATED COST

16.32

16.53

FILE 'CAPLUS' ENTERED AT 14:08:07 ON 07 APR 2004

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FILE COVERS 1907 - 7 Apr 2004 VOL 140 ISS 15

FILE LAST UPDATED: 6 Apr 2004 (20040406/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

> s l1 or l2 or l3

0 L1

92 L2

0 L3

1 92 L1 OR L2 OR L3

> s l4 and (fluor? or perfluoro?)

1002394 FLUOR?

44645 PERFLUORO?

5 9 L4 AND (FLUOR? OR PERFLUORO?)

> s l5 and (oil repellant or water repellant)

675471 OIL

1039 REPELLANT
76 OIL REPELLANT
(OIL (W) REPELLANT)
2119349 WATER
1039 REPELLANT
521 WATER REPELLANT
(WATER (W) REPELLANT)
0 L5 AND (OIL REPELLANT OR WATER REPELLANT)

> s 15 and oligourethane? or polyurethane?
541 OLIGOURETHANE?
123992 POLYURETHANE?
123992 L5 AND OLIGOURETHANE? OR POLYURETHANE?

> s 17 and (fluor? or perfluoro?)
1002394 FLUOR?
44645 PERFLUORO?
7915 L7 AND (FLUOR? OR PERFLUORO?)

> s 18 and (oil repellent or water repellent)
675471 OIL
1039 REPELLANT
76 OIL REPELLANT
(OIL (W) REPELLANT)
2119349 WATER
1039 REPELLANT
521 WATER REPELLANT
(WATER (W) REPELLANT)
7 L8 AND (OIL REPELLANT OR WATER REPELLANT)

> s 15 or 19
16 L5 OR L9

> s 110 and py<1999
18918812 PY<1999
10 L10 AND PY<1999

> d 1-10 ibib abs hitstr

11 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:734648 CAPLUS

DOCUMENT NUMBER: 139:246986

TITLE: Coatings based on **perfluoropolyethers** and
use with good stain release

INVENTOR(S): Marchetti, Roberta; Malavasi, Massimo

PATENT ASSIGNEE(S): Solvay Solexis S.p.A., Italy

SOURCE: Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1344807	A2	20030917	EP 2003-6993	19970609
EP 1344807	A3	20040114		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, FI				
EP 812891	A2	19971217	EP 1997-109298	19970609 <--
EP 812891	A3	19981118		
EP 812891	B1	20031001		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: IT 1996-MI1178 A 19960610
EP 1997-109298 A3 19970609

3 The title coating compns. comprise (A) 10-60% of (1) a (per)
fluoropolyether prepolymer having a polyisocyanate functionality
obtained by reacting a **fluoropolyethers** having ≥ 2 hydroxy
groups, optionally containing monofunctional (per)**fluoropolyether**,

with isocyanurate ring-containing polyisocyanate, preferably obtained by cyclotrimerization of HDI, IPDI or other monomeric diisocyanates and/or (2) non-**fluorinated** isocyanurate-containing polyisocyanates and/or hydrogenated polyisocyanate prepolymers, (B) 0.1-50% of a hydroxy-containing (per)**fluoropolyether** as in (A) but having a lower pre-polymerization degree, and (C) 10-90% diluting solvent.

73666-46-3DP, Vestanat T 1890, reaction products with hydroxy-terminated **perfluoro** polyethers

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (**perfluoropolyether**-based coatings with hardness, chemical resistance, stain release property and long pot life)

73666-46-3 CAPLUS

Vestanat T 1890 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

11 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:13718 CAPLUS

DOCUMENT NUMBER: 128:62936

TITLE: **Perfluoropolyether**-based protective coatings

INVENTOR(S): Marchetti, Roberta; Malavasi, Massimo

PATENT ASSIGNEE(S): Ausimont S.P.A., Italy

SOURCE: Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 812891	A2	19971217	EP 1997-109298	19970609 <--
EP 812891	A3	19981118		
EP 812891	B1	20031001		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
EP 1344807	A2	20030917	EP 2003-6993	19970609
EP 1344807	A3	20040114		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, FI				
AT 251207	E	20031015	AT 1997-109298	19970609
CA 2207481	AA	19971210	CA 1997-2207481	19970610 <--
JP 10072568	A2	19980317	JP 1997-152637	19970610 <--
US 6071564	A	20000606	US 1997-872454	19970610

PRIORITY APPLN. INFO.: IT 1996-MI1178 A 19960610
EP 1997-109298 A3 19970609

B Protective coating compns. comprise (A) 10-60 weight% of (1) a (per) **fluoropolyether** prepolymer having a polyisocyanic functionality obtainable by reacting a **fluoropolyethers** having ≥ 2 hydroxy groups with a isocyanurate ring-containing polyisocyanate, preferably obtained by cyclotrimerization of HDI, IPDI or other monomeric diisocyanates and/or (2) non-**fluorinated** isocyanurate-containing polyisocyanates and/or hydrogenated polyisocyanate prepolymers, (B) 0.1-50 weight% of a hydroxy-containing (per)**fluoropolyether** as defined in (A) but having a lower pre-polymerization degree, and (C) 10-90 weight%, with respect to the resin of a diluting solvent.

73666-46-3DP, Vestanat T 1890, reaction products with hydroxy-terminated **perfluoro** polyethers

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (**perfluoropolyether**-based protective coatings)

73666-46-3 CAPLUS

Vestanat T 1890 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

11 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:867592 CAPLUS

DOCUMENT NUMBER: 123:259184

TITLE: Multilayered plastic pipe with **fluoropolymer**
and polyamide layers
INVENTOR(S): Roeber, Stefan; Jadamus, Hans; Boer, Michael;
Feinauer, Roland; Herrmann, Hans-Dieter; Ries, Hans
PATENT ASSIGNEE(S): Huels A.-G., Germany
SOURCE: Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 650004	A1	19950426	EP 1994-100431	19940113 <--
R: CH, DE, ES, FR, GB, IT, LI, NL, SE				
DE 4336289	A1	19950427	DE 1993-4336289	19931025 <--
JP 07117189	A2	19950509	JP 1994-7640	19940127 <--
JP 07090628	B4	19951004		

PRIORITY APPLN. INFO.: DE 1993-4336289 19931025

The title pipe comprises, in turn, an outer layer of a polyamide (e.g., nylon 12), a layer of a mixture of a linear crystalline polyester [e.g., poly(butylene terephthalate)] and a compound containing ≥ 2 isocyanate groups (e.g., isophorone diisocyanate or a derivative), a polyamide layer, a layer of a mixture of a polyamide and a polymer of an (alkyl)acrylic acid ester, and an inner layer of poly(vinylidene **fluoride**). The pipe shows good interlayer adhesion, mech. properties, and chemical resistance and is especially useful for transporting petrochems. such as MeOH-containing fuels.

73666-46-3D, Vestanat T 1890, derivs., reaction products with polyesters

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(in laminated pipe with **fluoropolymer** lining for transport of methanol-containing fuels and petrochems.)

73666-46-3 CAPLUS

Vestanat T 1890 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

11 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:758621 CAPLUS

DOCUMENT NUMBER: 123:144917

TITLE: Microemulsion polymerization systems, containing organic polymers with pendant **fluoralkyl** groups, and coating materials prepared from them

INVENTOR(S): Wu, Huey Shen; Kaler, Eric W.

PATENT ASSIGNEE(S): W. L. Gore and Associates, Inc., USA

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9422928	A1	19941013	WO 1993-US8884	19930920 <--
W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2156527	AA	19941013	CA 1993-2156527	19930920 <--
CA 2156527	C	19990112		
AU 9349306	A1	19941024	AU 1993-49306	19930920 <--
AU 681598	B2	19970904		
EP 690881	A1	19960110	EP 1993-921691	19930920 <--
EP 690881	B1	19990421		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				

GB 2291063	A1	19960117	GB 1995-19422	19930920 <--
GB 2291063	B2	19971105		
HU 72424	A2	19960429	HU 1995-2408	19930920 <--
HU 216325	B	19990628		
DE 4397309	T	19960627	DE 1993-4397309	19930920 <--
EP 856262	A1	19980805	EP 1998-105006	19930920 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
AT 179187	E	19990515	AT 1993-921691	19930920
US 5385694	A	19950131	US 1994-220323	19940330 <--
US 5539047	A	19960723	US 1994-227862	19940414 <--
SE 9503228	A	19950918	SE 1995-3228	19950918 <--
SE 514801	C2	20010423		
AU 9746883	A1	19980212	AU 1997-46883	19971204 <--
AU 714262	B2	19991223		

PRIORITY APPLN. INFO.:

US 1993-38573	A	19930326
EP 1993-921691	A3	19930920
WO 1993-US8884	W	19930920

8 An aqueous latex (average particle diameter 0.01-0.5 μ) consists of particles of an organic polymer having pendant **fluorinated** (especially **fluoroalkyl**) organic side chains and is prepared by microemulsion polymerization. Suitable polymers are those derived from **fluoroalkyl** acrylates, methacrylates, aryl urethanes, allyl urethanes, maleate esters, urethane acrylates, acrylamides, and sulfonamide acrylates. Especially suitable are polymers derived from a (meth)acrylate monomer of general formula $CF_3(CF_2)_nCH_2CH_2OC(O)CR:CH_2$ (R = H or Me, n = 3-13). The latex typically contains an unsatd. **fluoroalkyl** group-containing monomer and a surfactant of general formula R_fRYX (R_f is C1-15-**fluoroalkyl** or **fluoroalkyl** ether; R = C \leq 4-alkylene or alkylene thioether; Y is carboxylate, sulfonate, sulfate, or hydroxyl; and X is alkali metal, NH_4 , or oxyethylene quaternary ammonium ions). The latex is suitable for coating of porous substrates (i.e., for forming **oil-repellant** surfaces).

1 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:411922 CAPLUS

DOCUMENT NUMBER: 121:11922

TITLE: Acrylic-**fluoropolymer**-siloxane coating compositions

INVENTOR(S): Miyazaki, Nobuyuki; Takayanagi, Takashi; Hashimoto, Toshihiko; Momotori, Hiroshi; Kondo, Masami; Sakai, Yoshihiko

PATENT ASSIGNEE(S): Asahi Glass Co Ltd, Japan; Asia Ind Co Ltd

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06016992	A2	19940125	JP 1992-200681	19920703 <--
PRIORITY APPLN. INFO.:			JP 1992-200681	19920703

8 Title compns. for outdoor exposed substrates showing improved weatherability contain 100 parts solvent-soluble polymers (A) containing $\geq 10\%$ F derived from **fluoroolefin** units including crosslinkable sites, 1-80 parts acrylic polyols having glass transition temperature (T) $\geq 80^\circ$, 1-300 parts silicone oligomers having T $\geq 50^\circ$, 1-40 parts crosslinking agents forming linkage with the sites described in A, and 1-40 parts crosslinking agents having T $\geq 50^\circ$ forming linkage with the described sites in A. Thus, 100 parts 60:18:15:10 chlorotrifluoroethylene-cyclohexyl vinyl ether-Et vinyl ether-hydroxybutyl vinyl ether copolymer, 20 parts 51%-solids 40:50 2-hydroxyethyl methacrylate-Me methacrylate copolymer (T 82°), 10 parts γ -methacryloxypropyltrimethoxysilane homopolymer (T 120°), 12 parts C-HX (HDI cyclic trimer), and 12 parts IPDI-T1890 (T $\geq 50^\circ$), and xylene were mixed to give a white coating, which was applied onto an Al plate and exposed outdoor for 3 mo to show retention of lightness.

73666-46-3, Vestanat T 1890
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agents, for acrylic **fluoropolymer**-siloxanes,
for coatings, with weatherability)
73666-46-3 CAPLUS
Vestanat T 1890 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1993:582819 CAPLUS
DOCUMENT NUMBER: 119:182819
TITLE: Isocyanate derivatives comprising
fluorochemical oligomers for treating fibrous
substrates
INVENTOR(S): Dams, Rudolf J.; De Witte, Johan E.
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA
SOURCE: PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9217635	A1	19921015	WO 1992-US978	19920204 <--
W: BR, CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
US 5276175	A	19940104	US 1991-679633	19910402 <--
CA 2105301	AA	19921003	CA 1992-2105301	19920204 <--
EP 578651	A1	19940119	EP 1992-906091	19920204 <--
EP 578651	B1	19950913		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
JP 06506239	T2	19940714	JP 1992-506302	19920204 <--
JP 3242920	B2	20011225		
BR 9205842	A	19940802	BR 1992-5842	19920204 <--
US 5453540	A	19950926	US 1993-158203	19931129 <--
PRIORITY APPLN. INFO.:				
				US 1991-679633 A 19910402
				WO 1992-US978 W 19920204

Compds. are prepared which comprise a F-containing oligomeric portion, an organic moiety, and a group which can impart a soft hand, stain release, water repellency, or a durable property when the compound is applied to a fibrous substrate, the oligomeric portion being bonded to the organic moiety by an isocyanate-derived linking group. A 2-mercaptoethanol end-capped N-methylperfluorooctanesulfonamidoethyl acrylate homopolymer was reacted with PAPI, and free isocyanate groups were blocked with 2-butanone oxime to give a compound which was emulsified and padded with a resin composition on cotton to give an oil-repellent finish showing good wash fastness.

73666-46-3D, IPDI-T 1890, reaction products with
fluoropolymers
RL: USES (Uses)
(water- and oil-proofing compns. containing, for textiles)
73666-46-3 CAPLUS
Vestanat T 1890 (9CI) (CA INDEX NAME)

* STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1987:139917 CAPLUS
DOCUMENT NUMBER: 106:139917
TITLE: Clear, weather-resistant silicone coating compositions
for metallized plastics
INVENTOR(S): Penn, Howard I.
PATENT ASSIGNEE(S): Morton Thiokol, Inc., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4640868	A	19870203	US 1986-828468	19860210 <--
AU 8767424	A1	19870813	AU 1987-67424	19870108 <--
AU 583700	B2	19890504		
EP 232971	A2	19870819	EP 1987-300216	19870112 <--
EP 232971	A3	19900321		
R: DE, FR, GB, IT, NL, SE				
NO 8700376	A	19870811	NO 1987-376	19870129 <--
CA 1279144	A1	19910115	CA 1987-529058	19870205 <--
DK 8700643	A	19870811	DK 1987-643	19870209 <--
JP 62185764	A2	19870814	JP 1987-27982	19870209 <--
JP 03075582	B4	19911202		
BR 8700576	A	19871208	BR 1987-576	19870209 <--
PRIORITY APPLN. INFO.:			US 1986-828468	19860210

3 Title composition comprises the hydrolyzed reaction product of an isocyanurate with an aminodisilane compound. Reaction of 130 g Desmodur N3300 with 228 g silane Y 9492 (aminodisilane) in the presence of Bu₂Sn(OAc)₂ at 85° for 2 h gave a clear to light yellow liquid, diluted in MEK and EtOH, hydrolyzed by action of AcOH, heated 3 h at 46° to give a product of which 100 parts was diluted in 10 parts 2% Bu₂Sn(OAc)₂ in PhMe to give the coating. The coating was applied to aluminized polyester film and dried 1 min at 125° to give a 2.5 μ coating showing no moving of the surface in heat, solvent, and water resistance tests.
73666-46-3D, adducts with aminoalkoxysilanes, hydrolyzed
RL: TEM (Technical or engineered material use); USES (Uses)
(coatings, moisture-curable, weatherable, for metalized plastics)
73666-46-3 CAPLUS
Vestanat T 1890 (9CI) (CA INDEX NAME)

** STRUCTURE DIAGRAM IS NOT AVAILABLE **

11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1974:72043 CAPLUS
DOCUMENT NUMBER: 80:72043
TITLE: Polymeric composition for the production of wear-resistant garments
INVENTOR(S): Aldrich, William E.
PATENT ASSIGNEE(S): Warnaco Inc.
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3763078	A	19731002	US 1970-93804	19701130 <--
PRIORITY APPLN. INFO.:			US 1970-93804	19701130

3 A nonaq. solution of a **polyurethane** and a **fluorocarbon oil repellent** and soil release agent was sprayed onto shirt collars and neckbands and polymerized in sites by heating under pressure to give improved wear and soil resistance. A PhMe-iso-PrOH solution of a 1,6-hexamethylene diisocyanate-castor oil prepolymer and Scotchgard FC 218 [50641-94-6] was sprayed onto collars of 65:35% polyester-cotton shirts. After pressing 12 sec at 360.deg.F and 15 psi the shirts with stood 12-20 wearing and laundering cycles without pilling or staining compared to 3-10 cycles for untreated shirts.

11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1972:87057 CAPLUS
DOCUMENT NUMBER: 76:87057
TITLE: **Fluorinated-nonfluorinated polymer mixtures** for wool finishing
AUTHOR(S): Ellison, A. H.; Margeson, J. H.; Galligan, J. D.;

CORPORATE SOURCE: Schwartz, A. M.; Pittman, A. G.; Wasley, W. L.
Gillette Co. Res. Inst., Rockville, MD, USA
SOURCE: Applied Polymer Symposia (1971), No. 18(Pt.
1), 579-84
CODEN: APPSBX; ISSN: 0570-4898
DOCUMENT TYPE: Journal
LANGUAGE: English
B Mixts. containing Adiprene L-100 and poly(1H,1H-pentadecafluorooctyl acrylate)
[26337-50-8] or a polymer prepared by hydrolytic polycondensation of
3-(heptafluoroisopropoxy)propyltrichlorosilane [15538-93-9] gave wool
fiber shrinkage control finishes with oil repellancy that was not fast to
laundering.

11 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1971:450369 CAPLUS
DOCUMENT NUMBER: 75:50369
TITLE: **Fluorohydrocarbon**-containing polymers for
making textiles, paper, and leather, oil- and
water-repellant
INVENTOR(S): Monaco, Luigi L.; Guerrato, Alfredo; Fabbro, Dario;
Donadello, Graziello
PATENT ASSIGNEE(S): Rimar S.p.A.
SOURCE: Ger. Offen., 63 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2018365		19710422		
FR 2043347			FR	
GB 1310823			GB	
US 3671493		19720000	US	
PRIORITY APPLN. INFO.:		IT		19690416
		IT		19690606

B Water-and oil-repellant agents for textiles, paper and
leather were prepared from polymers containing **perfluoroalkyl** groups.
Thus, Et **perfluorooctanoate** was condensed with aziridine at
 $\leq 5^\circ$. The resulting polymer was dissolved in
Me₂CO-CCl₂FCF₂Cl (50:50 by volume) and added dropwise to boiling
polyurethane prepolymer (from 1,1,1-trimethylolpropane, propylene
oxide and hexamethylene diisocyanate) in CCl₂FCF₂Cl. A solution of the
resulting polymer in CCl₄ was used to impart water- and oil-resistance to
woven wool fabric.